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Hydrology and Earth System Sciences
Discussions

Interactive comment on "Infrastructure sufficiency in meeting water demand under climate-induced socio-hydrological transition in the urbanizing Capibaribe River Basin – Brazil" *by* A. Ribeiro Neto et al.

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We appreciate the comments.

"Brief mention as to the predominant types of crops/agriculture under irrigation, as well as types of industry, might be mentioned in the Study area section (and then perhaps be referred to again in the Discussion or Conclusions in terms of possible changes/transitions with less available water)."

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Interactive Discussion

Discussion Paper

We have described the predominant types of crops and industry.

Specific Comments

All the specific comments have been taken into account and the corrections has been done. Two specific comments need an extra explanation.

“If Recife is in the interior of the basin, why is it located outside of the river basin map of Figure 1?”

Recife is partially inside the basin and partially outside the basin. We have changed the Figure 1.

“p. 2808, lines 19-20: not sure what this last sentence in the paragraph is based on; the Australia study(?) – even though seems their study did not run a scenario towards “the end of the 21st century”)”

By the end of the twenty-first century and considering the tendency for 2030, the change estimated by Vaze et al. (2011) could be similar to the values obtained in CRB.

REFERENCES

Vaze, J., Davidson, A., Teng, J., Podger, G.: Impact of climate change on water availability in the Macquarie-Castlereagh River Basin in Australia. Hydrol Process, 25, 2597-2612, 2011.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 11, 2795, 2014.